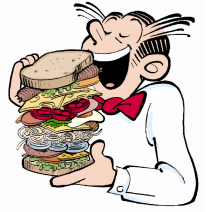
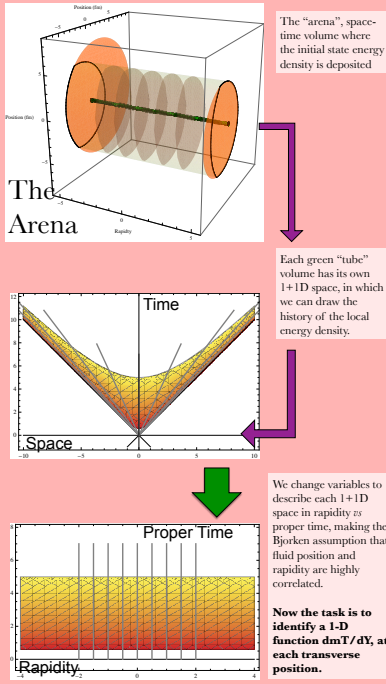


# THE CLUB SANDWICH MODEL



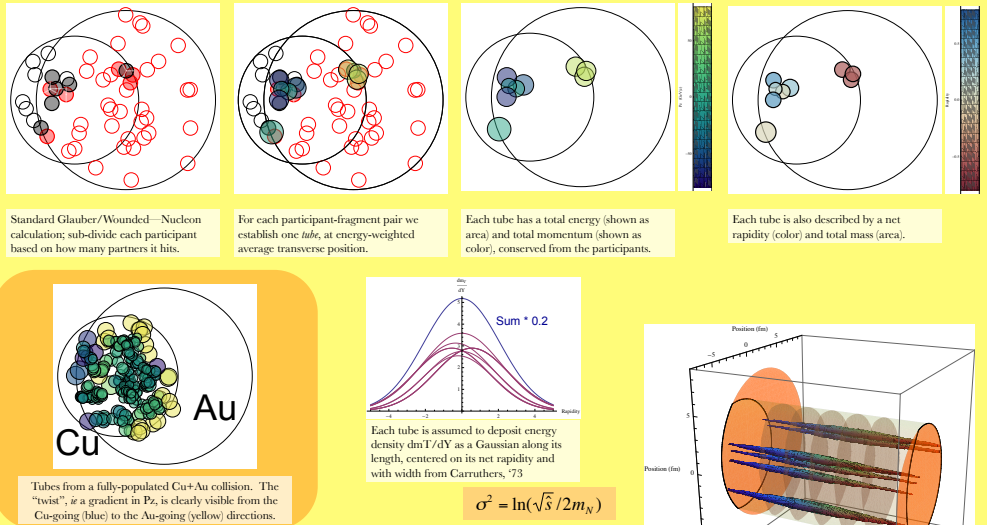
Paul Stankus  
Oak Ridge National Lab

## Set Up

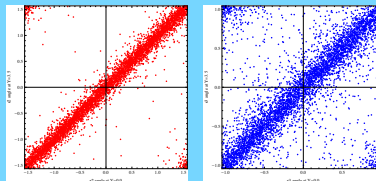
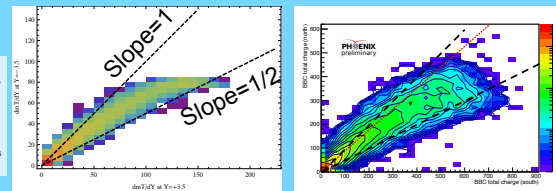
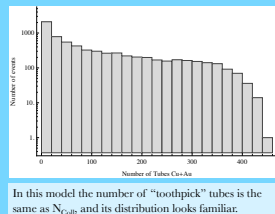
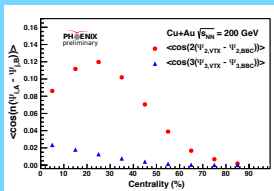
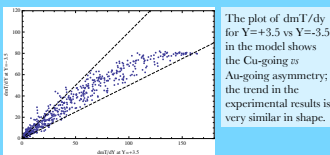


A general framework for modeling initial energy densities in 3-D

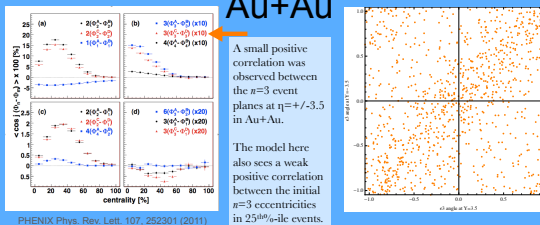
## Method



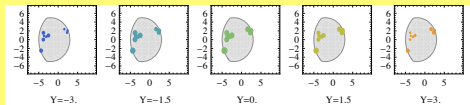
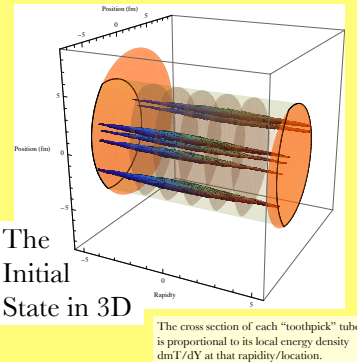
## Results



## Au+Au



## The Initial State in 3D



## Development

The "Club Sandwich" picture can be generalized to any 1-D function  $dmT/dY$  at each transverse position, including longitudinal fluctuations; the Gaussian "toothpicks" shown here are just a simple, parameter-free guess.

Forward-mid and forward-backward correlation measurements can directly constrain any model of 3-D energy deposit, well beyond measurements confined to mid-rapidity.